

PRE-PODIATRIC MEDICINE

Introduction

Students interested in a career in podiatric medicine may pursue any major along with completing specific prerequisites. Podiatric medicine is particularly well-suited for students interested in surgery. Podiatric medical schools typically require a minimum of 90 credit hours be completed at the undergraduate level and many prefer the bachelor degree be completed prior to enrolling. Students must gain a thorough understanding of the profession through a range of shadowing experiences and earn a competitive score on the MCAT. Students are encouraged to learn about the profession via the podiatric medicine residency program hosted at Sisters Hospital next to the Canisius campus. Students should work with the Pre-Health advisor beginning in the first college year or upon deciding to pursue podiatric medicine to select appropriate coursework based on their schools of interest and plan appropriate co-curricular experiences including service, to build a high quality application.

Students applying to podiatry schools complete an in-house application process to receive a letter of evaluation from the Health Science Advisory and Recommendation Committee in support of their application to podiatry school. In addition to the information in this section, please check the general information at the pre-medical and pre-health section of the catalog (<http://catalog.canisius.edu/undergraduate/academics/curricular-information/pre-professional-programs/pre-medical-pre-health-professions/>).

Recommended Pre-Podiatric Medicine Courses

Academic admission requirements vary by school, but usually include the following courses:

English

One year of English composition or the Honors Program equivalent:

Code	Title	Credits
Select one of the following:		
Option 1:		
ENG 111	Academic Writing	3
ENG 112	Writing about Literature	3
Option 2:		
HON 101	Honors English	3
	and an Honors Literature course	3

Biology

At least one year of general biology with laboratory:

Code	Title	Credits
BIO 111 & 111L	Introductory Biology I and Introductory Biology Laboratory I	4
BIO 112 & 112L	Introductory Biology II and Introductory Biology Laboratory II	4

Chemistry

One year of general chemistry and one year of organic chemistry with laboratories:

Code	Title	Credits
CHM 111 & 111L	General Chemistry I and General Chemistry I Laboratory	4
CHM 112 & 112L	General Chemistry II and General Chemistry II Laboratory	4
CHM 227 & 227L	Organic Chemistry I and Organic Chemistry I Laboratory	4
CHM 228 & 228L	Organic Chemistry II and Organic Chemistry II Laboratory	4

Biochemistry

One semester of biochemistry is required by most medical schools, while lab requirements vary by school. Two semesters are required as the content for the MCAT exam is spread over two classes. A student's major may dictate the option they should select:

Code	Title	Credits
Select one of the following:		
Option 1:		
BIO 211 & 211L	Biochemistry and Cell Biology I and Biochemistry and Cell Biology Lab I	4
BIO 212 & 212L	Biochemistry and Cell Biology II and Biochemistry and Cell Biology Lab II	4
Option 2:		
BCH 301 & 301L	Introduction to Biochemistry and Introduction to Biochemistry Laboratory	4
BCH 302	Cellular Biochemistry	3

Physics

One year of introductory physics with laboratory. A student's major may dictate the option they should select:

Code	Title	Credits
Select one of the following:		
Option 1:		
PHY 201 & 201L	College Physics I and College Physics I Laboratory	4
PHY 202 & 202L	College Physics II and College Physics II Laboratory	4
Option 2:		
PHY 223 & 223L	General Physics for Physical Science Majors I and General Physics for Physical Science Majors I Laboratory	4
PHY 224 & 224L	General Physics for Physical Science Majors II and General Physics for Physical Science Majors I Laboratory	4

Mathematics

One year of mathematics. One semester of statistics is recommended to prepare students for the MCAT and one semester of calculus is a prerequisite to prepare students for physics:

Code	Title	Credits
PSY 201	Basic Statistics for Behavioral Sciences	3
		or
		4
or MAT 141	Inferential Statistics and Computers for Science	
MAT 111	Calculus I	4

Behavioral/Social Science

One semester each of psychology (either PSY 101 or PSY 102) and sociology (SOC 110). The MCAT includes content from PSY 101, PSY 102, and SOC 110. If a student does not take both PSY 101 and PSY 102, they may learn some psychology content independently.

Code	Title	Credits
Psychology		
PSY 101	Introduction to Psychology I	3
or PSY 102	Introduction to Psychology II	
Sociology		
SOC 110	Introduction to Sociology	3

Additional Pre-Podiatric Medicine Courses

Students not majoring in a science are encouraged to take additional science elective courses. Students majoring in a science are encouraged to take additional coursework in the humanities and social sciences.

Elective Courses

HRP 101 allows students to explore different health professions.

HRP 111 introduces students to medical terminology.

HRP 201 and HRP 202 allow students to explore areas of medicine in more depth.

HRP 498 is an internship in medical informatics. A medical scribe internship is also available.

HRP 498A is a medical service learning trip.